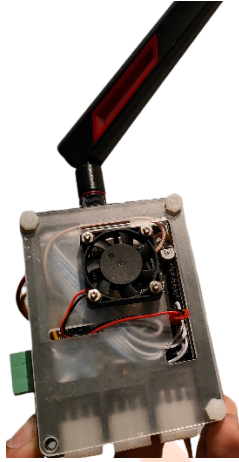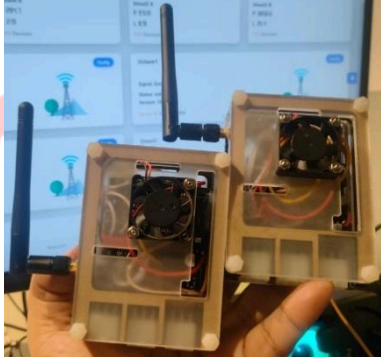# Amar Fuel

An Advance & Automated ERP Software
A Smart Solution For Smart Fuel Station

SHAH X CONNECT IS A POWERFUL MODERN FORECOURT CONTROLLER FOR PROVISION OF CONTROL OVER:

- PETROLEUM, LPG AND CNG DISPENSERS
- AUTOMATIC TANK GAUGE SYSTEMS AND PROBES
- PRICE SIGNS
- RFID READERS

DETAILS

[Cite your source here.]

ConnectX knows communication protocols of a great variety of dispensers, ATG systems and probes, price boards and readers allowing to control over any of them in a common way regardless of the brand or communication protocol used, so using the ConnectX controller any management system (POS system, OPT, mobile application) can use a common way for provision of control over any supported brands in the same way. ConnectX controller leads internal database for pumps sales and tanks measurements, it allows to generate reports using a web browser and also can automatically upload all the registered records to any cloud server, allowing to easily remotely receive all detailed reports from the petrol stations and petroleum depots.

Products' Name	Technical Specification	Product's Picture	Price/ Unit
AmarFuel Forecourt	**Capacity: Unlimited** **Offline Record: 6000** **Live Sell: Yes** **Nozzle: 16 Nozzle** ==**Support Bluetooth / Wi-Fi Printer**== ==**Wi-Fi / 2G / 4G / LAN**== ==**RFID + QR Code**== ==**Wi-Fi Range: 300M**== **MODBUS RS485/RS422** **Server** **Full Network Support**		80,000
Wireless forecourt communicator **(Child)**	WFC communicator allows to connect dispensers with different hardware interfaces in a common way. At this connection of the AmarFuel forecourt controller to the WFC communicator is to be done in a wired way using RS-485 interface.		220 22,000

Amar Fuel

Monthly Subscription package

No. Of package	Service Charge Per Fuel /Gas Station		Service
	Monthly	Yearly	
1	1000	**11000** BDT Save 1000 BDT	3000 BDT
2	3500	**40,000** BDT Save 2000 BDT	3000 BDT
3	5000	**50,000** BDT Save 10,000 BDT	3000 BDT

Software Specification

Package 01	Package 02	Package 03
☐ Monitor Daily Live Sales	☐ **Include** Package 01	☐ Include Package 1 + Package 2
☐ Nozzle Monitoring & Control	☐ Tank Gauge System	☐ Party wise Credit Sales
☐ Daily, Monthly, Yearly Report	☐ Fuel Purchase	☐ Customer Bill List
☐ Shift Closing (3 Shift)	☐ Tank wise Sales Report	☐ Customer Statement
☐ Sales Receipts to Customer	☐ Vendor Payment	☐ Vendor/Driver Statement
☐ Sales History	☐ Tank Summary	☐ Customer Vehicle Map
☐ Shift Wise Individual User ID and Control	☐ Fuel Stock In/Out Report ☐ Low Fuel Alert	☐ Product Purchase ☐ Stock IN Report ☐ Expense Report ☐ Stock Details

		☐ Profit-Loss
		☐ Month Income/Expense
		☐ Party wise Credit Sales
		☐ Online Payment BKash (0.09%)
		☐ Bank/Cash Statement
		☐ Bank Cash Summary Statement
		☐ Employee & Shift
		☐ Employee Salary Management
		☐ Full Customization Reports
		☐ QR Code base Customer Dashboard to monitor their perches and history

Hardware Specification

- ☐ **Support up to 16 Nozzle Dispensers**

- ☐ **Support RFID readers**

- ☐ **Support Fingerprint scanner**

- ☐ **Tank Monitoring**

- **Support Bluetooth / Wi-Fi Printer**

- **Support Price Board**

- **Automatically identify the vehicle**

- **Prevent fuel thefts**

- **Long Range Wi-Fi (500M+)**

- **Ethernet Cable**

- **2G/3G/4G SIM Network Supported**

- Able to work automatically standalone.

- Nozzle base Live Sell

- Network Monitoring

- **Can individually Turn Off or on the nozzle.**

- **Change Rate**

Security Specification

- Strong authentication mechanisms to ensure that only authorized devices and users can access our API. Consider using technologies **OAuth 2.0** for authentication and role-based access control (RBAC) for authorization.

- Secure communication channels such as **HTTPS** (HTTP over TLS) to prevent data interception and man-in-the-middle attacks.

- **Firmware and Software Updates**: Regularly update the firmware and software of devices to patch vulnerabilities and improve security.

- **API Versioning**: Use versioning in your API to maintain backward compatibility while introducing security enhancements in newer versions.

- Encrypt data transmitted over the API using protocols TLS (Transport Layer Security) to prevent eavesdropping and data tampering during transit.

Wireless Automation for Gas stations

CloudServer

RS-485

Wi-Fi / 2G / 4G

1-16 Nozzle

Wi-Fi / 2G / 4G/ LAN

1-16 Nozzle

RS-485

Command With Value/Amount

Card Punch Machine

Device Specification	Amar Fuel VS JoyFueling		Winner
	Amar Fuel	**JoyFueling**	
Read Nozzle	Yes	Yes	Both
Control Nozzle	Yes	NO	**Amar Fuel**
Network	Wi-fi/2G/4G/Lora/LAN	Wi-fi/2G/4G/LoRa	Both
Wireless Distance	300 m	**60 m**	**Amar Fuel**
OTA Update	Yes	**No**	**Amar Fuel**
RF ID	Yes	**Yes**	Both
Printer	Yes	No	**Amar Fuel**
ATG	Yes	No	**Amar Fuel**
Store Offline	Yes	Yes	Both
Processor	Xtensa dual-core 32-bit LX7 160-240 MHz	**ARM Cortex-M4F** 84 / 180 MHz	**Amar Fuel**
Backup Battery	Yes (6hrs)	**No**	**Amar Fuel**
ROM & Ram	32MB Flash & 16MB Ram	2048 KB Flash & 192 KB Ram	**Amar Fuel**
Price	1040$	1500$	**Amar Fuel**

Reference: bluesky multifunctional intelligent communication-box